FUJITSU

# DATA SHEET

## AMILO Notebook Xi 3670

The art of entertainment

Issue: October 2009

You are looking to replace your desktop computer? You want to use state-of-the-art video communication and enjoy entertainment at its best? Then the AMILO Notebook Xi 3670 is the ideal system for you, offering an amazing array of entertainment and multimedia features in a very stylish casing. The 46.7 cm (18.4-inch) display is perfect for watching DVD in their native resolution.

### Processor technology

- Intel® Centrino® 2 or Centrino® processor technology with Intel® Core™2 Duo processor or
- Intel® Core™2 Quad processor - designed to handle massive compute and visualization workloads enabled by powerful multi-core technology

### Innovation

- NVIDIA® GeForce® GT 130M graphics (512 MB dedicated high-speed VRAM)
- NVIDIA HybridPower™ technology allows you to unleash graphics performance when you need it, or instantly switch gears to a lower power mode from the motherboard GPU for longer battery life and quieter operation
- Get rid of wires - connect USB devices like printers, scanners or external hard disks via wireless USB (WUSB) to your AMILO Notebook Xi 3670 (option)

### Reliability

- Spill-proof keyboard to protect your notebook against accidentially spilt liquids
- Silent mode function that causes a noticeable reduction in fan noise
- Engineered in Germany

### Multimedia and Entertainment

- 46.7 cm (18.4-inch) high-resolution display, 16:9 aspect ratio and BrilliantView technology provide vivid colors, amazing sharpness and impressive contrast
- Integrated webcam (1.3 Mpix) with low-light technology for great video quality even in low-light conditions and built-in digital array microphone are perfect for Internet telephony (VoIP) and video chats
- Connect the AMILO Notebook Xi 3670 to an external display or TV set via HDMI
- Multimedia LightTouch™ bar and integrated Vista remote control let you easily play, stop or pause your DVDs or music CDs

### Options

- Integrated Blu-ray Disc™ drive for the ultimate entertainment experience
- Dual hard disk drive with Raid 0/1 function: Raid 0 implements data striping to provide best possible performance; Raid 1 defines disk mirroring for simultaneous writing of data on two disks. If one drive becomes defect, all data can be accessed on the second drive

Windows 7

## Components

| | | |
|---|---|---|
| **Processor** | Intel® Core™2 Quad processor Q9000 (2.0 GHz, 6 MB, 1066 MHz) | |
| | Intel® Core™2 Duo processor T6600 (2.2 GHz, 2 MB, 800 MHz) | |
| | Intel® Core™2 Duo processor T6500 (2.10 GHz, 2 MB, 800 MHz) | |
| | Intel® Core™2 Duo processor P8700 (2.53 GHz, 3 MB, 1066 MHz) | |
| Processor notes | Processor depends on exact configuration. Please check at your local retailer.<br>Processor technology depends on actually installed processor. | |
| **Memory options** | | |
| | 4 GB (2 module(s) with 2 GB, DDR3), 1066 MHz | |
| Supported capacity RAM (min.) | 2 GB | |
| Supported capacity RAM (max.) | 4 GB | |
| Memory slots total | 2 | |
| Memory slot type | SO DIMM (DDR3, 1066 MHz) | |
| Memory notes | Memory size depends on exact configuration. Please check at your local retailer.<br>Disclaimer: Up to 1 GB may not be available with 32-bit operating systems due to system resource requirements if system is preinstalled with 4 GB RAM | |
| **Hard disk drives (internal)** | 1000 GB (2x 500 GB), 5400 rpm, SATA, 2.5-inch, HDD cache: 8 MB, S.M.A.R.T. | |
| | 640 GB (2x 320 GB), 5400 rpm, SATA, 2.5-inch, HDD cache: 8 MB, S.M.A.R.T. | |
| | 500 GB, 5400 rpm, SATA, 2.5-inch, HDD cache: 8 MB, S.M.A.R.T. | |
| | 320 GB, 5400 rpm, SATA, 2.5-inch, HDD cache: 8 MB, S.M.A.R.T. | |
| Hard disk notes | Hard disk capacity depends on exact configuration. Please check at your local retailer.<br>One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.<br>Raid function (optional, if two HDDs are installed):<br>Raid 0: stripe set for performance<br>Raid 1: mirroring for security | |
| **Optical drives** | | |
| Optical drive technology | SuperMulti-format DVD burner with double layer (DL) support | Blu-ray Disc™ drive incl. SuperMulti-format DVD burner with double layer (DL) support |
| Interface type | SATA | SATA |
| Optical drive read speed | CD-ROM 24x, DVD-ROM 8x | BD 2x, CD-ROM 24x, DVD-ROM 8x |
| Optical drive write speed | CD-R 24x, CD-RW 16x, DVD+R 8x, DVD-R 8x, DVD+RW 8x DVD-RW 6x, DVD+R DL (8.5 GB) 6x, DVD-R DL (8.5 GB) 6x, DVD-RAM 5x | CD-R 16x, CD-RW 10x, DVD+R 8x, DVD-R 8x, DVD+RW 4x, DVD-RW 4x, DVD+R DL (8.5 GB) 4x, DVD-R DL (8.5 GB) 4x, DVD-RAM 5x |
| Optical drive notes | Optical disc drive depends on exact configuration. Please check at your local retailer. | |
| **Display** | | |
| Base unit name | AMILO Xi 3670 (HD+ display) | AMILO Xi 3670 (Full HD display) |
| Display Technology | BrilliantView LCD | BrilliantView LCD with dual lamp (90% NTSC) |
| Diagonal Size | 46.7 cm (18.4-inch) | 46.7 cm (18.4-inch) |
| Aspect ratio | 16:9 | 16:9 |
| Display Resolution type | HD+ | Full HD |
| Resolution (native) | 1680 x 945 pixel | 1920 x 1080 pixel |
| Response time typical | 16 ms | 8 ms |
| Brightness - typical | 200 NIT | 300 NIT |
| Contrast - typical | 600 : 1 | 800 : 1 |
| **Battery** | | |
| Battery type | Li-Ion battery 8-cell | |
| Battery voltage | 14.8 V | |

| Battery | |
|---|---|
| Battery capacity | 2400 mAh |
| Battery runtime (idle mode) | Up to 4:40 hours (onboard graphics) / up to 3:20 hours (dedicated graphics) |
| Battery runtime (DVD playback) | Up to 2:40 hours (onboard graphics) / up to 2:15 hours (dedicate graphics) |
| Battery charging time (idle mode) | Up to 1:50 hours (onboard / dedicated graphics) |
| Battery charging time (normal use) | Up to 1:50 hours for DVD playback (onboard / dedicated graphics) |
| Battery charging time (off mode) | Up to 1:50 hours (onboard / dedicated graphics) |
| Battery notes | Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time varies depending on usage. The recharge capacity may decrease after some months so that the battery lifetime as well as operating time can not be assured for the whole lifetime of the notebook.<br>Battery runtime (idle mode) tested with Battery Mark 4.0.1 (“power saver mode”).<br>Battery runtime (DVD playback) tested with Windows Meda Player (“balanced mode”).<br>Battery charging time (idle mode) tested without test program.<br>Battery charging time (maximum active mode) tested with 3DMark 2006.<br>Battery charging time (normal use) tested with DVD playback. |

## AMILO Notebook Xi 3670

| Operating system | |
|---|---|
| Operating system compatible | Genuine Microsoft® Windows® 7 Home Premium 64-bit<br>Genuine Microsoft® Windows Vista® Home Premium 64-bit |
| Recovery application | Backup and restore the original status of the hard disk and create system restore disks or individual recovery media on CD or DVD are included |
| Drivers | Updates downloadable at http://ts.fujitsu.com/support |

| Product design | |
|---|---|
| Color | Eclipse red (black with red molding) |

| General system information | |
|---|---|
| System architecture | Intel® Centrino® 2 or Centrino® processor technology (optional) |
| Chipset | Intel® GM45, ICH 9-ME |

| Graphics | |
|---|---|
| Graphics brand name | NVIDIA® GeForce® GT 130M |
| Dedicated video memory | 512 MB (GDDR3 VRAM, 1066 MHz) |
| Onboard graphics processor | Mobile Intel® Graphics Media Accelerator 4500MHD |
| Shared video memory | up to 1295 MB |
| 3D Benchmark points | Up to 5800 (3DMark 2006, depending on configuration) |
| Max. resolution external display | 1920 x 1200 pixel |
| Graphic features | NVIDIA® HybridPower™ technology (hybrid graphic technology)<br>NVIDIA® PureVideo® HD technology<br>- Ultra-smooth video playback<br>- Superb picture clarity and<br>- Precise, vivid colors on any display<br>NVIDIA® PhysX™ delivers the most advanced gaming physics, to define a totally new level of dynamic motion and interaction<br>NVIDIA® Cuda™ technology lets your graphics card take over complex computations so that you obtain extreme performance boost for high-res 3D applications within a fraction of the time required on a CPU<br>DirectX® 10 support |
| Graphic notes | - 2048 MB system memory enables up to 783 MB shared memory<br>- 4096 MB system memory enables up to 1295 MB shared memory |

| Interfaces | |
|---|---|
| DC-in | 1 |
| Audio: line-in | 1 |
| Audio: line-out / SPDIF | 1 |
| Audio: line-out / headphone | 1 |
| Audio: microphone in | 1 |
| Internal microphones | 2 |

| Interfaces | |
|---|---|
| USB 2.0 total | 3 |
| eSATA & USB combo | 1 |
| VGA | 1 |
| HDMI | 1 (version 1.3b, incl. HDCP and S/PDIF out) |
| FireWire (IEEE1394) | 1 |
| Ethernet (RJ-45) | 1 |
| Memory card slots | 1 x 15-in-1 card reader (supported formats: SD, miniSD, MicroSD, SDHC, MS, MS-Duo, MMC, RS-MMC, MMC-Micro, MSPRO, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2, xD picture card) |
| Express card slots | 1 (34/54 mm) |
| Kensington Lock support | 1 |
| Interface Module notes | Memory card slots: An adapter is needed for the following card formats: RS-MMC, MMC-Micro, miniSD, MicroSD, SDHC, MS-Duo, MS-PRO Duo, MS-Pro HG, MS-Pro HG Duo, M2 |

| Onboard or integrated Controller | | |
|---|---|---|
| Bluetooth | 2.1 (integrated) | |
| LAN type | Gigabit Ethernet (10/100/1000 Mbit/s) | |
| Wireless USB (optional) | Integrated (Rev. 1.0)<br>Up to 110 Mbit/s within 10 m distance<br>Up to 480 Mbit/s within 3 m distance<br>Frequency band: 3.1 GHz - 10.6 GHz | |
| Wireless USB notes | For use in EU (AT, BE, BG, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LV, LT, LU, MT, NL, PL, PT, RO, SE, SI, SK) and EFTA (IS, LI, NO, CH) | |
| WLAN | Built-in WLAN (Wireless Local Area Network) | |
| WLAN name | pre-n WLAN (IEEE 802.11a/b/g/pre-n) | Intel® Wireless WiFi Link 5100 AGN (IEEE 802.11a/g/pre-n) |
| WLAN max. data rate | up to 300 Mbit/s | up to 300 Mbit/s |
| WLAN encryption | WEP, WPA, WPA2 | WEP, WPA, WPA2 |
| WLAN notes | For use in: BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY | For use in: BE, CH, DK, DE, EE, FI, FR, EL, IE, IS, IT, LI, LV, LT, LU, MT, NL, NO, PL, AT, PT, SE, SK, ES, CZ, HU, UK, CY |

| Audio | |
|---|---|
| Audio type | On board |
| Audio codec | Realtek ALC888 |
| Audio features | Support of high-definition audio for S/PDIF output with up to 7.1 channels<br>7.1 audio support also via 4x audio jacks (analog)<br>2x built-in speakers (2 W each)<br>Built-in digital array microphone<br>1x built-in subwoofer (3 W)<br>Sound volume control via function key or via LightTouch™ bar |

| Camera | |
|---|---|
| Camera | Logitech® QuickCam®, 1.3 megapixel |
| Frame rate | 30 per second (for 640 x 480) |
| Camera features | Auto focus<br>Automatic brightness adjustment with status LED (blue: on, red: streaming / application on)<br>Low-light technology for great video-quality even in dark surrounding |
| Camera notes | AMILOcam frame rate can vary significantly depending on the used software application. |

| Input devices / Control buttons | |
|---|---|
| Power Button | Located left of the keyboard, back lighted |
| Keyboard | Spillproof keyboard |
| Number of keyboard keys | 85 |

| Input devices / Control buttons | |
|---|---|
| Keyboard notes | The keyboard is spill-proof up to 50ml. This is enough to protect your notebook from an accidental spill. However, we recommend a backup as well as a system shut-down should liquids come into contact with the keyboard. The spill-proof protection does not prevent data loss caused by water damage. If this should happen, please contact your local customer service desk. |
| Number block | 21 keys, 4 individually configurable quick-start application buttons (A1, A2, A3, A4) |
| Input device(s) | Hidden touchpad, with left and right mouse button, touchpad disable function via function key combination (Fn+F6) |
| Multimedia keys | Multimedia LightTouch™ bar located on top of the keyboard to launch the following applications:<br>Silent mode (reduce noise level / fan speed, by reducing the CPU performance, office applications, Internet and DVD playback are not affected)<br>Hybrid graphics to switch between onboard graphics for extended battery life and dedicated graphics for better performance<br>DVD / multimedia playback<br>Skip rewind<br>Play / pause<br>Skip forward<br>Volume control |
| Remote Control | 26-key Vista remote control, shipped in ExpressCard slot |

| Hot keys | |
|---|---|
| Hot key Fn+F1 | WLAN / Bluetooth / Wireless USB on / off |
| Hot key Fn+F3 | Mute on / off |
| Hot key Fn+F4 | Volume down |
| Hot key Fn+F5 | Volume up |
| Hot key Fn+F6 | Touchpad on / off |
| Hot key Fn+F7 | AMILOcam on / off |
| Hot key Fn+F8 | Brightness down |
| Hot key Fn+F9 | Brightness up |
| Hot key Fn+F10 | Display switch |
| Hot key Fn+F11 | Silent mode |
| Hot key Fn+F12 | Suspend |

| Status indicators | |
|---|---|
| Status indicators | The notebook has 3 status LEDs<br>Power status (& suspend)<br>Blue (always on): on<br>Blue blinking: stand by<br>None: off<br>Battery charge<br>Blue (always on): full<br>Blue blinking: charging<br>Red blinking: < 10 % capacity<br>WLAN / Bluetooth / Wireless USB<br>Blue: on<br>None: off |

| Power supply | |
|---|---|
| AC adapter | 20 V / 90 W (4.5 A) or 120 W (6 A) |
| Rated voltage range | 110 - 240 V (AC Input) |
| Rated frequency range | 50 - 60 Hz |
| Battery features | ACPI 3.0 supported;<br>Dynamic charge supported (rapid charge) |

| Energy consumption | |
|---|---|
| S0 (idle mode) | 15.5 W |
| S0 (max. active mode) | 115.4 W (with 120 W AC Adapter) |
| S3 (stand by / energy saving mode) | 1.81 W |
| S4 (hibernate) | 0.74 W |

| Energy consumption | |
|---|---|
| S5 (off mode) | 0.74 W |
| ACPI functions | ACPI 3.0 compliant for Vista requirement<br>Power on stand by (S1 LCD off)<br>Stand by / energy saving mode (S3 save to RAM)<br>Hibernate mode (S4 save to disk)<br>Off mode (S5 soft off) |
| Energy consumption notes | Maximum active mode tested with 3D Mark 2006. |

| Noise emission | |
|---|---|
| Idle mode | 27.4 dB(A) (silent mode off) |
| Maximum active mode | 34.3 dB(A) (silent mode off) |
| Noise notes / description | Noise emission (idle mode) tested according to ISO 7779 and ISO 9296.<br>Noise emission (maximum active mode) tested with QAFE 8.01 / 2. sieve.exe (CPU stress test) / Diskload.exe according to ISO 7779 and ISO 9296. |

| Dimensions / Weight / Environmental | |
|---|---|
| Dimension (W x D x H) | 440.2 x 302.5 x 38.5 (front) / 50.5 (back) mm |
| Weight | Approx. 3.9 kg |
| Weight notes | Weight may vary depending on actual configuration |
| Operating ambient temperature | 5 - 35°C |
| Operating relative humidity | 10 - 90 % (relative humidity, non-condensing) |

| Compliance | |
|---|---|
| Europe | CE Marking<br>R&TTE (WLAN, Bluetooth®) |
| Global | RoHS (Restriction of hazardous substances)<br>ISO13406-2 (Pixel fault class II) |
| Russia | GOST (WLAN) |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |

| Application software | |
|---|---|
| Home office software | Microsoft® Office Ready (60-day trial version for Microsoft® Office Professional software package, only with Windows® 7 operating system)<br>Adobe Acrobat Reader<br>Windows Mail (only within Windows Vista® operating system)<br>Windows Calendar (only within Windows Vista® operating system)<br>Microsoft® Works (only with Windows Vista® operating system)<br>Microsoft® Office Home and Student Trial (60-day trial version, only with Windows Vista® operating system) |
| Multimedia software | Nero Essentials S (burning software)<br>Vista DVD Playback Pack (DVD playback software, only within Windows Vista® operating system)<br>Windows Media Player (playback of music CDs and Video DVDs)<br>Windows Media Center edition (optional)<br>- Share and stream media easily in your home network<br>- Organize media (videos, music, pictures)<br>- Watch and record TV shows<br>(For certain aspects of Windows Media Center functionality, a TV tuner and additional hardware may be required. To watch Internet TV, Internet access is required. Free Internet TV content varies by geography.<br>Some content may require additional fees.)<br>Logitech® QuickCam® application software |
| Internet software | Microsoft® Internet Explorer<br>Country specific Internet provider |
| Security software | Norman security software solution |
| Additional software (optional) | CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive) |

| Security | |
|---|---|
| Physical security | Kensington Lock support<br>Lid switch (hidden) |
| User security | User and supervisor password |

## Warranty

| | |
|---|---|
| Standard Warranty | 1 year / 2 years (depending on country) |
| Service level | Collect & Return Service / Bring in (depending on county specific requirements) |

## Maintenance and Support Services - the perfect extension

| | |
|---|---|
| Recommended Service | 3 years, Collect & Return Service |
| Spare Parts availability | 3 years |
| Service Weblink | http://ts.fujitsu.com/Supportservice |

## Accessories

| | |
|---|---|
| Accessories included | Manuals (manual on hard disk, quick start guide, safety guide, warranty guide, recovery guide)<br>AC adapter 90 W or 120 W<br>First Battery 8 cells<br>Integrated remote control<br>Cleaning wipe |
| Accessories link | http://ts.fujitsu.com/accessories |

reddot design award
honourable mention 2009

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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